

DATASHEET
Version 20181206**MIP-3 α /CCL20, Human****Cat. No.:** Z02842-1**Size:** 1.0 mg**Synonyms:** MIP-3 alpha/CCL20, Human;**Description:**

MIP-3 alpha/CCL20, also known as LARC (Liver and Activation-regulated Chemokine) and as Exodus, is a CC chemokine that is expressed in the liver, lymph nodes, appendix, PBL and lung and can signal through the CCR6 receptor. MIP-3 alpha is chemotactic towards lymphocytes and dendritic cells. Additionally, it promotes the adhesion of memory CD4+ T cells and inhibits colony formation of bone marrow myeloid immature progenitors.

Amino Acid Sequence:

00001 ASNFDCCGLY TDRILHPKFI VGFTQLANE GCDINAIIFH
00041 TKKKLSVCAN PKQTWVKYIV RLLSKKVKNM

Source: *E. coli***Species:** Human

Biological Activity: Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration range of 10-50 ng/ml.

Molecular Weight: Approximately 8.0 kDa, a single non-glycosylated polypeptide chain containing 70 amino acids.

Formulation: Lyophilized from a 0.2 μ m filtered concentrated solution in 20 mM PB, pH 7.4, 100 mM NaCl.

Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Purity: > 97 % by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1 EU/ μ g of rHuMIP-3 α /CCL20 as determined by LAL method.

Storage: This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze/thaw cycles.